



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application of: Eloranta et al.

Attorney Docket: 944-003.189

Serial No.: 10/717,986

Group Art Unit: to be assigned

Filed: November 20, 2003

Examiner: to be assigned

For: **METHOD AND DEVICE FOR DIGITAL-TO-RF CONVERSION**

Director of the U.S. Patent & Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

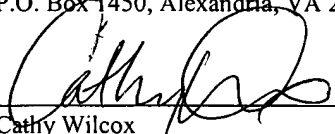
Sir:

Applicant submits herewith references of which they are aware, which they believe may be material to the examination of this application and in respect of which they may have a duty to disclose in accordance with 37 CFR 1.56.

While this Information Disclosure Statement may be "material" pursuant to 37 CFR 1.56, it is not intended to constitute an admission that any document referred to herein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined under 37 CFR 1.56(a) exists.

I hereby certify that this correspondence is being deposited today  
with the United States Postal Service as first class mail in an envelope  
addressed to Director of the U.S. Patent & Trademark Office,  
P.O. Box 1450, Alexandria, VA 22313-1450

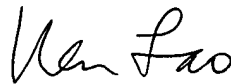
  
Cathy Wilcox

2.19.04  
Date

A PTO-1449 with cited reference is also enclosed.

This IDS is being submitted prior to receipt of a first Official Action in this matter; therefore, the undersigned respectfully submits that no fee is due for filing this IDS. Should any fees be due of which the undersigned is unaware, the Commissioner is hereby authorized to charge deposit account 23-0442 any fee deficiency required to submit this IDS.

Respectfully submitted,



Kenneth Q. Lao  
Registration No. 40,061

Date: Jul. 19, 2004

WARE, FRESSOLA, VAN DER SLUYS  
& ADOLPHSON LLP  
Bradford Green, Building 5  
755 Main Street, PO Box 224  
Monroe, CT 06468  
(203) 261-1234

<b>FORM PTO-1449</b> <b>INFORMATION DISCLOSURE STATEMENT</b> 		ATTY DOCKET NO. 944-003.189		SERIAL NO. 10/717,986		
		APPLICANTS: Eloranta et al.				
		FILING DATE: November 20, 2003		ART UNIT: to be assigned		
<b>UNITED STATES PATENT DOCUMENTS</b>						
EXAM. INITIAL	DOCUMENT NUMBER	DATE	INVENTOR/ASSIGNEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<b>FOREIGN PATENT DOCUMENTS</b>						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO
	WO 02/37667	May 10, 2002	International			
<b>OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)</b>						
	IEEE Journal of Solid-State Circuits 0018-9200/02, Vol. 37, No. 9; Gutierrez-Aitken et al.; "Ultrahigh-Speed Direct Digital Synthesizer Using InP DHBT Technology"; pp. 1115-1119; September 2002.					
	IEEE 2001 Custom Integrated Circuits Conference 0/7803/6591-7/01; Splett et al.; "Solutions for highly integrated future generation software radio basestation transceivers"; pp. 511-518; 2001.					
	IEEE 0-7803-3625-9/96; Koli et al.; "Current-Mode Up-Converting D/A-Interface for Mobile Communication Transmitter Applications"; pp. 20-24; 1996.					
	IEEE 0018-9200/03; Zhou et al.; "A 10-Bit Wide-Band CMOS Direct Digital RF Amplitude Modulator"; pp. 1182-1188; 2003.					
Examiner (To be assigned)			Date:			